

# ILLINOIS

## WEATHER & CROPS



### ILLINOIS COOPERATIVE CROP REPORTING SERVICE

Illinois Department of Agriculture  
STATISTICAL REPORTING SERVICE USDA  
Box 429 Springfield, Illinois 62705  
Phone: (217) 492-4295

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#### CROP HI-LITES

- \*\*\* Soybeans - 80% planted
- \*\*\* Wheat - 90% headed, 45% filled,  
5% turning yellow
- \*\*\* Soil Moisture - 2% short, 63% adequate, 35% surplus

CORN on Friday, May 28, was reported as 6% excellent, 78% good and 16% fair. Corn was reported as 87% of full stand, compared to 89% June 19, 1981. The average height of corn on May 30 was reported at 7 inches compared to an average of 3 inches. The height of the most advanced corn was reported at 12 inches compared to 2 inches last year and an average of 6 inches. There have been some reports of cutworm damage, especially in the East-Southeast Crop Reporting District.

Planting of SOYBEANS was 80% complete on May 30, compared to 33% last year and an average of 63%.

SORGHUM planting was 65% complete as of May 30.

WINTER WHEAT on May 28 was reported as 10% excellent, 65% good, 24% fair, and 1% poor. Ninety percent of the crop was headed by May 30 compared to 93% last year and an average of 85%. Forty-five percent of the wheat crop was filled by May 30 compared to 60% last year and an average of 47%. Five percent of the crop was turning yellow compared to 10% last year and an average of 16%.

The OATS crop on May 28 was reported as 4% excellent, 69% good, 26% fair and 1% poor. Approximately, 15% of the crop was headed by May 30 compared to 17% last year and an average of 18%.

ALFALFA was reported as 6% excellent, 73% good, 20% fair and 1% poor on May 28. About

25% of the first crop was cut by May 30 compared to 33% last year and an average of 35%.

RED CLOVER was reported as 14% excellent, 81% good, 4% fair and 1% poor on May 28. About 30% of the crop was cut for hay by May 30 compared to 15% last year and an average of 27%.

PASTURES on May 28 were reported as 10% excellent, 79% good, 10% fair and 1% poor.

SOIL MOISTURE was reported as 2% short, 63% adequate and 35% surplus on May 28.

There were 3.00 DAYS SUITABLE for FIELDWORK for the week ending May 28.

#### WEATHER

TEMPERATURES during the period May 24-31 ranged from 0 to 4° above the weekly normal. A cool trend at the beginning of the week gave way to a moderate warm period that continued through the end of the period.

PRECIPITATION was moderate with widespread showers and thunderstorms. Amounts totaled from near one-half of an inch to over two inches; the heaviest amounts fell in the central sections.

The OUTLOOK for the period June 1 through June 7 indicates below normal temperatures and above normal precipitation.

#### SOIL MOISTURE MEASUREMENTS

Soil moisture is measured each week by the Illinois State Water Survey at a site near Bondville (Champaign County). As of May 24, soil moisture in the moderately well-drained Flanagan soil in the total column from the surface to about 7 feet decreased very slightly from 62% of Potential Plant Available Moisture (PPAM) to 61%. Between the surface and 4 inches depth, the moisture increased from 12% of PPAM to 20%. Total moisture from the surface to 20 inches increased insignificantly to 4.1 inches. Heavy thundershowers dropped 0.82 inch of precipitation at the site on May 24. Unfortunately, the rainfall rate was excessive, and not all of the precipitation infiltrated into the soil.

#### ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Soybeans: % planted (as of May 30)	75	75	80	75	80	85	80	80	85	80	63
Alfalfa: % hay cut (as of May 30)	10	10	15	15	10	50	60	65	65	25	
Days suitable for fieldwork: (week ending May 28)	2.0	1.5	2.0	2.0	2.0	4.0	4.0	5.0	4.0	3.00	
Soil moisture %: (as of May 28)											
Short	10	--	--	--	--	--	--	10	--	2	
Adequate	55	35	50	55	50	85	80	90	65	63	
Surplus	35	65	50	45	50	15	20	--	35	35	

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MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	March	April	April 27- May 3	May 4- 10	May 11- 17	May 18- 24	May 25- 31
Chicago	-1	-4	-2	+10	+13	+2	+1
Peoria	0	-5	+2	+9	+13	+3	+3
Springfield	+1	-5	0	+8	+12	+4	+2
St. Louis	+3	-4	-2	+6	+6	+4	+2

Week ending Monday, 6 A.M., May 31									
Station	Temperatures			Growing degree days 1/					
	Maxi-	Mini-	Aver-	Current	3-yr.	Totals	Totals		
	mum	mum	age	week	av. 2/	1981	1982		
Moline	80	50	65.4	109	597	607	692		
Rockford	82	56	66.7	117	509	518	646		
Chi. O'Hare	80	51	63.4	93	505	536	594		
Quincy	76	57	66.3	115	657	639	675		
Decatur	80	42	66.6	119	628	657	686		
Peoria	80	55	68.2	126	587	633	737		
Watsika	83	50	65.4	107	3/	553	644		
Springfield	83	55	70.1	140	685	742	795		
Brownstown	83	55	69.6	137	3/	781	740		
St. Louis	84	61	72.4	157	777	847	846		
Dixon Springs	87	52	73.6	165	3/	917	862		

1/ Totals are accumulated from April 1. 2/ Average of accumulated totals for 1979, 1980 and 1981. 3/ Data are not available for 1979 and 1980.

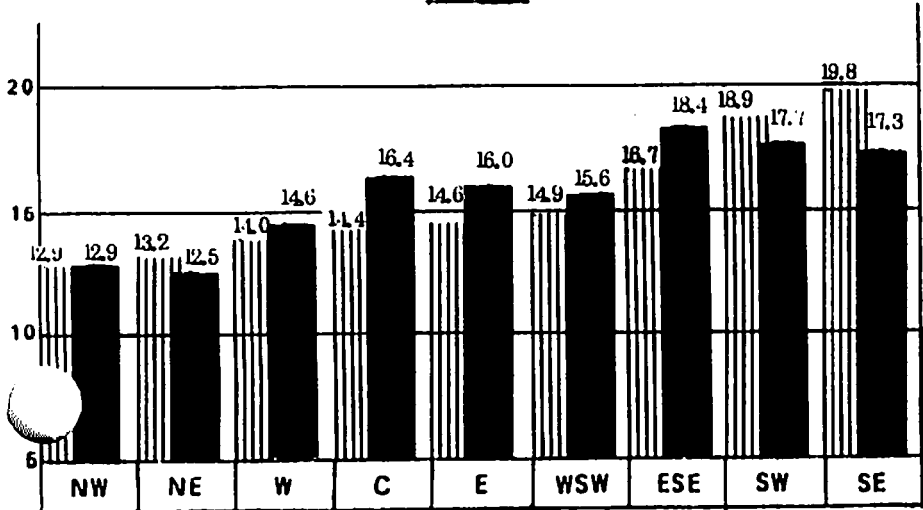
Growing degree days (GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

ACCUMULATED PRECIPITATION  
(Inches)

LEGEND: Normal Actual

Jan. 1-May 31

Jan. 1-May 31



PRECIPITATION:  
First figure--Current week, May 25-31  
Parentheses--Previous week  
M--Missing. T--Trace.

